

# WEST S arch History

DATE: Friday, August 01, 2003

**Set Name Query**  
side by side

**Hit Count Set Name**  
result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L14	osteoprotegerin binding protein	17	L14
-----	---------------------------------	----	-----

*DB=USPT,PGPB; PLUR=YES; OP=ADJ*

L13	L12 AND osteoprotegerin binding protein	1	L13
-----	---	---	-----

L12	((424/130.1  424/133.1  424/134.1  424/138.1  424/139.1  424/141.1  424/142.1  424/143.1 )!.CCLS. )	2261	L12
-----	---	------	-----

L11	L10 AND osteoprotegerin binding protein	1	L11
-----	---	---	-----

L10	((530/387.1  530/387.7  530/388.1  530/388.15  530/388.2 )!.CCLS. )	3341	L10
-----	---	------	-----

L9	L8 AND osteoprotegerin binding protein	2	L9
----	--	---	----

L8	((514/44 )!.CCLS. )	3949	L8
----	---------------------	------	----

L7	L6 AND osteoprotegerin binding protein	0	L7
----	--	---	----

L6	((536/24.5 )!.CCLS. )	1463	L6
----	-----------------------	------	----

*DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ*

L5	Boyel-W-J.IN.	0	L5
----	---------------	---	----

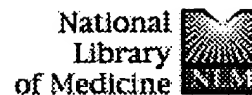
L4	Boyle-W.IN.	2	L4
----	-------------	---	----

L3	Boyle-William-J.IN.	54	L3
----	---------------------	----	----

L2	Boyle-William.IN.	2	L2
----	-------------------	---	----

L1	(Boyle.IN.)	2005	L1
----	-------------	------	----

END OF SEARCH HISTORY



PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Book

Search PubMed

for osteoprotegerin binding protein AND antibody

Go

Clear

☒ Limits

Preview/Index

History

Clipboard

Details

About Entrez

Limits: only items with abstracts, English

Display

Summary

Show:

200

Sort

Send to

Text

Text Version

Items 1-30 of 30

One page.

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

LinkOut

Cubby

Related Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Privacy Policy

- ☐ 1: [Dovio A, Sartori ML, Masera RG, Ceoloni B, Reimondo G, Prolo P, Racca S, Angeli A.](#) Related Articles, Links



Autocrine down-regulation of glucocorticoid receptors by interleukin-11 in human osteoblast-like cell lines.

J Endocrinol. 2003 Apr;177(1):109-17.

PMID: 12697042 [PubMed - indexed for MEDLINE]

- ☐ 2: [Okada Y, Montero A, Zhang X, Sobue T, Lorenzo J, Doetschman T, Coffin JD, Hurley MM.](#) Related Articles, Links



Impaired osteoclast formation in bone marrow cultures of Fgf2 null mice in response to parathyroid hormone.

J Biol Chem. 2003 Jun 6;278(23):21258-66. Epub 2003 Mar 28.

PMID: 12665515 [PubMed - indexed for MEDLINE]

- ☐ 3: [Shipman CM, Croucher PJ.](#) Related Articles, Links



Osteoprotegerin is a soluble decoy receptor for tumor necrosis factor-related apoptosis-inducing ligand/Apo2 ligand and can function as a paracrine survival factor for human myeloma cells.

Cancer Res. 2003 Mar 1;63(5):912-6.

PMID: 12615702 [PubMed - indexed for MEDLINE]

- ☐ 4: [Oyajobi BO, Mundy GR.](#) Related Articles, Links



Receptor activator of NF-kappaB ligand, macrophage inflammatory protein-1alpha, and the proteasome: novel therapeutic targets in myeloma.

Cancer. 2003 Feb 1;97(3 Suppl):813-7.

PMID: 12548580 [PubMed - indexed for MEDLINE]

- ☐ 5: [Sordillo EM, Pearse RN.](#) Related Articles, Links



RANK-Fc: a therapeutic antagonist for RANK-L in myeloma.

Cancer. 2003 Feb 1;97(3 Suppl):802-12. Review.

PMID: 12548579 [PubMed - indexed for MEDLINE]

- ☐ 6: [Kato I, Sato H, Kudo A.](#) Related Articles, Links



TRANCE together with IL-7 induces pre-B cells to proliferate.

Eur J Immunol. 2003 Feb;33(2):334-41.

PMID: 12548564 [PubMed - indexed for MEDLINE]

- ☐ 7: [Berenson JR.](#) Related Articles, Links



Advances in the biology and treatment of myeloma bone disease.

Semin Oncol. 2002 Dec;29(6 Suppl 17):11-6. Review.


PMID: 12520479 [PubMed - indexed for MEDLINE]


- ☐ 8: [Elhasid R, Hofbauer LC, Ish-Shalom S, Ben-Arush M, Koc O, Rowe JM, Etzioni A.](#) Related Articles, Links





Familial severe congenital neutropenia associated with infantile osteoporosis: a new entity.


Am J Hematol. 2003 Jan;72(1):34-7.  
PMID: 12508266 [PubMed - indexed for MEDLINE]


-  **9:** [Hasegawa T, Yoshimura Y, Kikuri T, Yawaka Y, Takeyama S, Matsumoto A, Oguchi H, Shirakawa T](#) [Related Articles, Links](#)

 Expression of receptor activator of NF-kappa B ligand and osteoprotegerin in culture of human periodontal ligament cells.  
J Periodontal Res. 2002 Dec;37(6):405-11.  
PMID: 12472833 [PubMed - indexed for MEDLINE]


-  **10:** [Okada Y, Morimoto I, Ura K, Watanabe K, Eto S, Kumegawa M, Raisz L, Pilbeam C, Tanaka Y](#) [Related Articles, Links](#)


 Cell-to-Cell adhesion via intercellular adhesion molecule-1 and leukocyte function-associated antigen-1 pathway is involved in 1alpha,25(OH)2D3, PTH and IL-1alpha-induced osteoclast differentiation and bone resorption.  
Endocr J. 2002 Aug;49(4):483-95.  
PMID: 12402981 [PubMed - indexed for MEDLINE]


-  **11:** [Giuliani N, Colla S, Sala R, Moroni M, Lazzaretti M, La Monica S, Bonomini S, Hojden M, Sammarelli G, Barille S, Bataille R, Rizzoli V](#) [Related Articles, Links](#)


 Human myeloma cells stimulate the receptor activator of nuclear factor-kappa B ligand (RANKL) in T lymphocytes: a potential role in multiple myeloma bone disease.  
Blood. 2002 Dec 15;100(13):4615-21. Epub 2002 Aug 08.  
PMID: 12393684 [PubMed - indexed for MEDLINE]


-  **12:** [Palmqvist P, Persson E, Conaway HH, Lerner UH](#) [Related Articles, Links](#)


 IL-6, leukemia inhibitory factor, and oncostatin M stimulate bone resorption and regulate the expression of receptor activator of NF-kappa B ligand, osteoprotegerin, and receptor activator of NF-kappa B in mouse calvariae.  
J Immunol. 2002 Sep 15;169(6):3353-62.  
PMID: 12218157 [PubMed - indexed for MEDLINE]


-  **13:** [Roux S, Meignin V, Quillard J, Meduri G, Guiochon-Mantel A, Feraud JP, Milgrom E, Mariette X](#) [Related Articles, Links](#)


 RANK (receptor activator of nuclear factor-kappaB) and RANKL expression in multiple myeloma.  
Br J Haematol. 2002 Apr;117(1):86-92.  
PMID: 11918537 [PubMed - indexed for MEDLINE]


-  **14:** [Roux S, Amazit L, Meduri G, Guiochon-Mantel A, Milgrom E, Mariette X](#) [Related Articles, Links](#)

 RANK (receptor activator of nuclear factor kappa B) and RANK ligand are expressed in giant cell tumors of bone.  
Am J Clin Pathol. 2002 Feb;117(2):210-6.  
PMID: 11863217 [PubMed - indexed for MEDLINE]


-  **15:** [Kubota K, Sakikawa C, Katsumata M, Nakamura T, Wakabayashi K](#) [Related Articles, Links](#)

 Platelet-derived growth factor BB secreted from osteoclasts acts as an osteoblastogenesis inhibitory factor.  
J Bone Miner Res. 2002 Feb;17(2):257-65.  
PMID: 11811556 [PubMed - indexed for MEDLINE]

-  **16:** [Choi Y, Woo KM, Ko SH, Lee YJ, Park SJ, Kim HM, Kwon BS](#) [Related Articles, Links](#)

 Osteoclastogenesis is enhanced by activated B cells but suppressed by activated CD8(+) T cells.  
Eur J Immunol. 2001 Jul;31(7):2179-88.

PMID: 11449372 [PubMed - indexed for MEDLINE]


-  **17:** [Kukita T, Kukita A, Watanabe T, Iijima T.](#) [Related Articles, Links](#)



**Osteoclast differentiation antigen, distinct from receptor activator of nuclear factor kappa B, is involved in osteoclastogenesis under calcitonin-regulated conditions.**

J Endocrinol. 2001 Jul;170(1):175-83.

PMID: 11431150 [PubMed - indexed for MEDLINE]


-  **18:** [Kotake S, Udagawa N, Hakoda M, Mogi M, Yano K, Tsuda E, Takahashi K, Furuya T, Ishiyama S, Kim KJ, Saito S, Nishikawa T, Takahashi N, Togari A, Tomatsu T, Suda T, Kamatani N.](#) [Related Articles, Links](#)



**Activated human T cells directly induce osteoclastogenesis from human monocytes: possible role of T cells in bone destruction in rheumatoid arthritis patients.**

Arthritis Rheum. 2001 May;44(5):1003-12.

PMID: 11352231 [PubMed - indexed for MEDLINE]


-  **19:** [Atkins GJ, Bouralexis S, Haynes DR, Graves SE, Geary SM, Evdokiou A, Zannettino AC, Hay S, Findlay DM.](#) [Related Articles, Links](#)



**Osteoprotegerin inhibits osteoclast formation and bone resorbing activity in giant cell tumors of bone.**

Bone. 2001 Apr;28(4):370-7.

PMID: 11336917 [PubMed - indexed for MEDLINE]

-  **20:** [Mori K, Miyamoto N, Higuchi Y, Nanba K, Ito M, Tsurudome M, Nishio M, Kawano M, Uchida A, Ito Y.](#) [Related Articles, Links](#)



**Cross-talk between RANKL and FRP-1/CD98 Systems: RANKL-mediated osteoclastogenesis is suppressed by an inhibitory anti-CD98 heavy chain mAb and CD98-mediated osteoclastogenesis is suppressed by osteoclastogenesis inhibitory factor.**

Cell Immunol. 2001 Feb 1;207(2):118-26.

PMID: 11243701 [PubMed - indexed for MEDLINE]


-  **21:** [O'Brien EA, Williams JH, Marshall MJ.](#) [Related Articles, Links](#)



**Osteoprotegerin is produced when prostaglandin synthesis is inhibited causing osteoclasts to detach from the surface of mouse parietal bone and attach to the endocranial membrane.**

Bone. 2001 Feb;28(2):208-14.

PMID: 11182380 [PubMed - indexed for MEDLINE]


-  **22:** [Miyamoto T, Arai F, Ohneda O, Takagi K, Anderson DM, Suda T.](#) [Related Articles, Links](#)



**An adherent condition is required for formation of multinuclear osteoclasts in the presence of macrophage colony-stimulating factor and receptor activator of nuclear factor kappa B ligand.**

Blood. 2000 Dec 15;96(13):4335-43.

PMID: 11110710 [PubMed - indexed for MEDLINE]


-  **23:** [Kinpara K, Mogi M, Kuzushima M, Togari A.](#) [Related Articles, Links](#)



**Osteoclast differentiation factor in human osteosarcoma cell line.**

J Immunoassay. 2000 Nov;21(4):327-40.

PMID: 11071251 [PubMed - indexed for MEDLINE]


-  **24:** [Fox SW, Fuller K, Bayley KE, Lean JM, Chambers TJ.](#) [Related Articles, Links](#)





**TGF-beta 1 and IFN-gamma direct macrophage activation by TNF-alpha to osteoclastic or cytotoxic phenotype.**


J Immunol. 2000 Nov 1;165(9):4957-63.

PMID: 11046022 [PubMed - indexed for MEDLINE]


 **25:** [Grcevic D, Lee SK, Marusic A, Lorenzo JA.](#) [Related Articles, Links](#)


 **Depletion of CD4 and CD8 T lymphocytes in mice in vivo enhances 1,25-dihydroxyvitamin D3-stimulated osteoclast-like cell formation in vitro by a mechanism that is dependent on prostaglandin synthesis.**  
J Immunol. 2000 Oct 15;165(8):4231-8.  
PMID: 11035056 [PubMed - indexed for MEDLINE]


 **26:** [Borset M, Hjertner O, Yaccoby S, Epstein J, Sanderson RD.](#) [Related Articles, Links](#)


 **Syndecan-1 is targeted to the uropods of polarized myeloma cells where it promotes adhesion and sequesters heparin-binding proteins.**  
Blood. 2000 Oct 1;96(7):2528-36.  
PMID: 11001907 [PubMed - indexed for MEDLINE]


 **27:** [Rani CS, MacDougall M.](#) [Related Articles, Links](#)


 **Dental cells express factors that regulate bone resorption.**  
Mol Cell Biol Res Commun. 2000 Mar;3(3):145-52.  
PMID: 10860862 [PubMed - indexed for MEDLINE]


 **28:** [Takayanagi H, Iizuka H, Juji T, Nakagawa T, Yamamoto A, Miyazaki T, Koshihara Y, Oda H, Nakamura K, Tanaka S.](#) [Related Articles, Links](#)

 **Involvement of receptor activator of nuclear factor kappaB ligand/osteoclast differentiation factor in osteoclastogenesis from synoviocytes in rheumatoid arthritis.**  
Arthritis Rheum. 2000 Feb;43(2):259-69.  
PMID: 10693864 [PubMed - indexed for MEDLINE]

 **29:** [Nakagawa N, Yasuda H, Yano K, Mochizuki S, Kobayashi N, Fujimoto H, Yamaguchi K, Shima N, Morinaga T, Higashio K.](#) [Related Articles, Links](#)

 **Basic fibroblast growth factor inhibits osteoclast formation induced by 1alpha,25-dihydroxyvitamin D(3) through suppressing the production of osteoclast differentiation factor.**  
Biochem Biophys Res Commun. 1999 Nov;265(1):45-50.  
PMID: 10548488 [PubMed - indexed for MEDLINE]

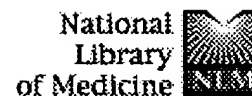
 **30:** [Yasuda H, Shima N, Nakagawa N, Yamaguchi K, Kinoshita M, Goto M, Mochizuki S, Tsuda E, Morinaga T, Udagawa N, Takahashi N, Suda T, Higashio K.](#) [Related Articles, Links](#)

 **A novel molecular mechanism modulating osteoclast differentiation and function.**  
Bone. 1999 Jul;25(1):109-13.  
PMID: 10423033 [PubMed - indexed for MEDLINE]

**Display** **Summary** **Show:** **200** **Sort** **Send to** **Text**  
Items 1-30 of 30 One page.

[Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)  
[Department of Health & Human Services](#)  
[Freedom of Information Act](#) | [Disclaimer](#)

Jul 17 2003 11:42:11



PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Book

Search PubMed

for OPG AND antibody

Go

Clear

☒ Limits

Preview/Index

History

Clipboard

Details

About Entrez

Limits: only items with abstracts, English

Text Version

Display

Summary

Show: 200

Sort

Send to

Text

Items 1-41 of 41

One page.

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

LinkOut

Cubby

Related Resources

Order Documents

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

Privacy Policy

- ☐ 1: [Dovio A, Sartori ML, Masera RG, Ceoloni B, Reimondo G, Prolo P, Racca S, Angeli A.](#) Related Articles, Links



Autocrine down-regulation of glucocorticoid receptors by interleukin-11 in human osteoblast-like cell lines.

J Endocrinol. 2003 Apr;177(1):109-17.

PMID: 12697042 [PubMed - indexed for MEDLINE]

- ☐ 2: [Locklin RM, Khosla S, Turner RT, Riggs BL.](#) Related Articles, Links



Mediators of the biphasic responses of bone to intermittent and continuously administered parathyroid hormone.

J Cell Biochem. 2003 May 1;89(1):180-90.

PMID: 12682918 [PubMed - in process]

- ☐ 3: [Shipman CM, Croucher PJ.](#) Related Articles, Links



Osteoprotegerin is a soluble decoy receptor for tumor necrosis factor-related apoptosis-inducing ligand/Apo2 ligand and can function as a paracrine survival factor for human myeloma cells.

Cancer Res. 2003 Mar 1;63(5):912-6.

PMID: 12615702 [PubMed - indexed for MEDLINE]

- ☐ 4: [Sordillo EM, Pearse RN.](#) Related Articles, Links



RANK-Fc: a therapeutic antagonist for RANK-L in myeloma.

Cancer. 2003 Feb 1;97(3 Suppl):802-12. Review.

PMID: 12548579 [PubMed - indexed for MEDLINE]

- ☐ 5: [Sabokbar A, Kudo O, Athanasou NA.](#) Related Articles, Links



Two distinct cellular mechanisms of osteoclast formation and bone resorption in periprosthetic osteolysis.

J Orthop Res. 2003 Jan;21(1):73-80.

PMID: 12507582 [PubMed - indexed for MEDLINE]

- ☐ 6: [Hasegawa T, Yoshimura Y, Kikuri T, Yawaka Y, Takeyama S, Matsumoto A, Oguchi H, Shirakawa T.](#) Related Articles, Links



Expression of receptor activator of NF-kappa B ligand and osteoprotegerin in culture of human periodontal ligament cells.

J Periodontal Res. 2002 Dec;37(6):405-11.

PMID: 12472833 [PubMed - indexed for MEDLINE]

- ☐ 7: [Xiang H, Wynn R, Nguyen LH, Ross OH, Ahrens DP, O'Neil KT, Hollis GF, Patrick DR.](#) Related Articles, Links



























Immobilized metal-ion affinity chromatography of recombinant Fab protein OPG C11 in the presence of EDTA-Mg(II).

J Chromatogr A. 2002 Nov 29;978(1-2):153-64.

PMID: 12458952 [PubMed - indexed for MEDLINE]










- ☐ 8: [Atkins GJ, Bouralexis S, Evdokiou A, Hay S, Labrinidis A, Zannettino AC, Haynes DR, Findlay DM.](#) Related Articles, Links









-  **Human osteoblasts are resistant to Apo2L/TRAIL-mediated apoptosis.**  
Bone. 2002 Oct;31(4):448-56.  
PMID: 12398939 [PubMed - indexed for MEDLINE]
-  **9:** [Giuliani N, Colla S, Sala R, Moroni M, Lazzaretti M, La Monica S, Bonomini S, Hojden M, Sammarelli G, Barille S, Bataille R, Rizzoli V.](#) [Related Articles, Links](#)
-  **Human myeloma cells stimulate the receptor activator of nuclear factor-kappa B ligand (RANKL) in T lymphocytes: a potential role in multiple myeloma bone disease.**  
Blood. 2002 Dec 15;100(13):4615-21. Epub 2002 Aug 08.  
PMID: 12393684 [PubMed - indexed for MEDLINE]
-  **10:** [Palmqvist P, Persson E, Conaway HH, Lerner UH.](#) [Related Articles, Links](#)
-  **IL-6, leukemia inhibitory factor, and oncostatin M stimulate bone resorption and regulate the expression of receptor activator of NF-kappa B ligand, osteoprotegerin, and receptor activator of NF-kappa B in mouse calvariae.**  
J Immunol. 2002 Sep 15;169(6):3353-62.  
PMID: 12218157 [PubMed - indexed for MEDLINE]
-  **11:** [Ziolkowska M, Kurowska M, Radzikowska A, Luszczykiewicz G, Wiland P, Dziewczopolski W, Filipowicz-Sosnowska A, Pazdur J, Szechinski J, Kowalczewski J, Rell-Bakalarska M, Maslinski W.](#) [Related Articles, Links](#)
-  **High levels of osteoprotegerin and soluble receptor activator of nuclear factor kappa B ligand in serum of rheumatoid arthritis patients and their normalization after anti-tumor necrosis factor alpha treatment.**  
Arthritis Rheum. 2002 Jul;46(7):1744-53.  
PMID: 12124857 [PubMed - indexed for MEDLINE]
-  **12:** [Ahlen J, Andersson S, Mukohyama H, Roth C, Backman A, Conaway HH, Lerner UH.](#) [Related Articles, Links](#)
-  **Characterization of the bone-resorptive effect of interleukin-11 in cultured mouse calvarial bones.**  
Bone. 2002 Jul;31(1):242-51.  
PMID: 12110441 [PubMed - indexed for MEDLINE]
-  **13:** [Nakamura H, Tsuji T, Hirata A, Yamamoto T.](#) [Related Articles, Links](#)
-  **Localization of osteoprotegerin (OPG) on bone surfaces and cement lines in rat tibia.**  
J Histochem Cytochem. 2002 Jul;50(7):945-53.  
PMID: 12070273 [PubMed - indexed for MEDLINE]
-  **14:** [Hasegawa T, Kikui T, Takeyama S, Yoshimura Y, Mitome M, Oguchi H, Shirakawa T.](#) [Related Articles, Links](#)
-  **Human periodontal ligament cells derived from deciduous teeth induce osteoclastogenesis in vitro.**  
Tissue Cell. 2002 Feb;34(1):44-51.  
PMID: 11989970 [PubMed - indexed for MEDLINE]
-  **15:** [Redlich K, Hayer S, Maier A, Dunstan CR, Tohidast-Akrad M, Lang S, Turk B, Pietschmann P, Woloszczuk W, Haralambous S, Kollias G, Steiner G, Smolen JS, Schett G.](#) [Related Articles, Links](#)
-  **Tumor necrosis factor alpha-mediated joint destruction is inhibited by targeting osteoclasts with osteoprotegerin.**  
Arthritis Rheum. 2002 Mar;46(3):785-92.  
PMID: 11920416 [PubMed - indexed for MEDLINE]
-  **16:** [Holen I, Croucher PI, Hamdy FC, Eaton CL.](#) [Related Articles, Links](#)


-  **Osteoprotegerin (OPG) is a survival factor for human prostate cancer cells.**  
Cancer Res. 2002 Mar 15;62(6):1619-23.  
PMID: 11912131 [PubMed - indexed for MEDLINE]
- ☐ **17:** Kubota K, Sakikawa C, Katsumata M, Nakamura T, Wakabayashi K. Related Articles, Links  
**Platelet-derived growth factor BB secreted from osteoclasts acts as an osteoblastogenesis inhibitory factor.**  
J Bone Miner Res. 2002 Feb;17(2):257-65.  
PMID: 11811556 [PubMed - indexed for MEDLINE]
- ☐ **18:** Yang X, Halladay D, Onyia JE, Martin TJ, Chandrasekhar S. Related Articles, Links  
 **Protein Kinase C is a mediator of the synthesis and secretion of osteoprotegerin in osteoblast-like cells.**  
Biochem Biophys Res Commun. 2002 Jan 11;290(1):42-6.  
PMID: 11779130 [PubMed - indexed for MEDLINE]
- ☐ **19:** Petit F, Arnoult D, Lelievre JD, Moutouh-de Parseval L, Hance AJ, Schneider P, Corbeil J, Ameisen JC, Estaquier J. Related Articles, Links  
 **Productive HIV-1 infection of primary CD4+ T cells induces mitochondrial membrane permeabilization leading to a caspase-independent cell death.**  
J Biol Chem. 2002 Jan 11;277(2):1477-87. Epub 2001 Oct 31.  
PMID: 11689551 [PubMed - indexed for MEDLINE]
- ☐ **20:** Yano K, Shibata O, Mizuno A, Kobayashi F, Higashio K, Morinaga T, Tsuda E. Related Articles, Links  
 **Immunological study on circulating murine osteoprotegerin/osteoclastogenesis inhibitory factor (OPG/OCIF): possible role of OPG/OCIF in the prevention of osteoporosis in pregnancy.**  
Biochem Biophys Res Commun. 2001 Oct 19;288(1):217-24.  
PMID: 11594776 [PubMed - indexed for MEDLINE]
- ☐ **21:** Feuerherm AJ, Borset M, Seidel C, Sundan A, Leistad L, Ostensen M, Faxvaag A. Related Articles, Links  
 **Elevated levels of osteoprotegerin (OPG) and hepatocyte growth factor (HGF) in rheumatoid arthritis.**  
Scand J Rheumatol. 2001;30(4):229-34.  
PMID: 11578019 [PubMed - indexed for MEDLINE]
- ☐ **22:** Choi Y, Woo KM, Ko SH, Lee YJ, Park SJ, Kim HM, Kwon BS. Related Articles, Links  
 **Osteoclastogenesis is enhanced by activated B cells but suppressed by activated CD8(+) T cells.**  
Eur J Immunol. 2001 Jul;31(7):2179-88.  
PMID: 11449372 [PubMed - indexed for MEDLINE]
- ☐ **23:** Kotake S, Udagawa N, Hakoda M, Mogi M, Yano K, Tsuda E, Takahashi K, Furuya T, Ishiyama S, Kim KJ, Saito S, Nishikawa T, Takahashi N, Togari A, Tomatsu T, Suda T, Kamatani N. Related Articles, Links  
 **Activated human T cells directly induce osteoclastogenesis from human monocytes: possible role of T cells in bone destruction in rheumatoid arthritis patients.**  
Arthritis Rheum. 2001 May;44(5):1003-12.  
PMID: 11352231 [PubMed - indexed for MEDLINE]
- ☐ **24:** Atkins GJ, Bouralexis S, Haynes DR, Graves SE, Geary SM, Evdokiou A, Zannettino AC, Hay S, Findlay DM. Related Articles, Links  
 **Osteoprotegerin inhibits osteoclast formation and bone resorbing activity in giant cell tumors of bone.**  
Bone. 2001 Apr;28(4):370-7.



PMID: 11336917 [PubMed - indexed for MEDLINE]

-  **25:** Wada N, Maeda H, Tanabe K, Tsuda E, Yano K, Nakamuta H, Akamine A. [Related Articles, Links](#)  
**Periodontal ligament cells secrete the factor that inhibits osteoclastic differentiation and function: the factor is osteoprotegerin/osteoclastogenesis inhibitory factor.**  
 J Periodontal Res. 2001 Feb;36(1):56-63.  
 PMID: 11246705 [PubMed - indexed for MEDLINE]
-  **26:** O'Brien EA, Williams JH, Marshall MJ. [Related Articles, Links](#)  
**Osteoprotegerin is produced when prostaglandin synthesis is inhibited causing osteoclasts to detach from the surface of mouse parietal bone and attach to the endocranial membrane.**  
 Bone. 2001 Feb;28(2):208-14.  
 PMID: 11182380 [PubMed - indexed for MEDLINE]
-  **27:** Yun TJ, Tallquist MD, Aicher A, Rafferty KL, Marshall AJ, Moon JJ, Ewings ME, Mohaupt M, Herring SW, Clark EA. [Related Articles, Links](#)  
**Osteoprotegerin, a crucial regulator of bone metabolism, also regulates B cell development and function.**  
 J Immunol. 2001 Feb 1;166(3):1482-91.  
 PMID: 11160187 [PubMed - indexed for MEDLINE]
-  **28:** Kinpara K, Mogi M, Kuzushima M, Togari A. [Related Articles, Links](#)  
**Osteoclast differentiation factor in human osteosarcoma cell line.**  
 J Immunoassay. 2000 Nov;21(4):327-40.  
 PMID: 11071251 [PubMed - indexed for MEDLINE]
-  **29:** Rani CS, MacDougall M. [Related Articles, Links](#)  
**Dental cells express factors that regulate bone resorption.**  
 Mol Cell Biol Res Commun. 2000 Mar;3(3):145-52.  
 PMID: 10860862 [PubMed - indexed for MEDLINE]
-  **30:** Takayanagi H, Iizuka H, Juji T, Nakagawa T, Yamamoto A, Miyazaki T, Koshihara Y, Oda H, Nakamura K, Tanaka S. [Related Articles, Links](#)  
**Involvement of receptor activator of nuclear factor kappaB ligand/osteoclast differentiation factor in osteoclastogenesis from synoviocytes in rheumatoid arthritis.**  
 Arthritis Rheum. 2000 Feb;43(2):259-69.  
 PMID: 10693864 [PubMed - indexed for MEDLINE]
-  **31:** Kobayashi K, Takahashi N, Jimi E, Udagawa N, Takami M, Kotake S, Nakagawa N, Kinosaki M, Yamaguchi K, Shima N, Yasuda H, Morinaga T, Higashio K, Martin TJ, Suda T. [Related Articles, Links](#)  
**Tumor necrosis factor alpha stimulates osteoclast differentiation by a mechanism independent of the ODF/RANKL-RANK interaction.**  
 J Exp Med. 2000 Jan 17;191(2):275-86.  
 PMID: 10637272 [PubMed - indexed for MEDLINE]
-  **32:** Yasuda H, Shima N, Nakagawa N, Yamaguchi K, Kinosaki M, Goto M, Mochizuki SI, Tsuda E, Morinaga T, Udagawa N, Takahashi N, Suda T, Higashio K. [Related Articles, Links](#)  
**A novel molecular mechanism modulating osteoclast differentiation and function.**  
 Bone. 1999 Jul;25(1):109-13.  
 PMID: 10423033 [PubMed - indexed for MEDLINE]
-  **33:** Yano K, Tsuda E, Washida N, Kobayashi F, Goto M, Harada A, Ikeda K, Higashio K, Yamada Y. [Related Articles, Links](#)

-  Immunological characterization of circulating osteoprotegerin/osteoclastogenesis inhibitory factor: increased serum concentrations in postmenopausal women with osteoporosis.  
J Bone Miner Res. 1999 Apr;14(4):518-27.  
PMID: 10234572 [PubMed - indexed for MEDLINE]
-  **34:** Hsu H, Lacey DL, Dunstan CR, Solovyev I, Colombero A, Timms E, Tan HL, Elliott G, Kelley MJ, Sarosi I, Wang L, Xia XZ, Elliott R, Chiu L, Black T, Scully S, Capparelli C, Morony S, Shimamoto G, Bass MB, Boyle WJ. [Related Articles](#), [Links](#)  
Tumor necrosis factor receptor family member RANK mediates osteoclast differentiation and activation induced by osteoprotegerin ligand.  
Proc Natl Acad Sci U S A. 1999 Mar 30;96(7):3540-5.  
PMID: 10097072 [PubMed - indexed for MEDLINE]
-  **35:** Nakagawa N, Kinosaki M, Yamaguchi K, Shima N, Yasuda H, Yano K, Morinaga T, Higashio K. [Related Articles](#), [Links](#)  
RANK is the essential signaling receptor for osteoclast differentiation factor in osteoclastogenesis.  
Biochem Biophys Res Commun. 1998 Dec 18;253(2):395-400.  
PMID: 9878548 [PubMed - indexed for MEDLINE]
-  **36:** Murakami T, Yamamoto M, Ono K, Nishikawa M, Nagata N, Motoyoshi K, Akatsu T. [Related Articles](#), [Links](#)  
Transforming growth factor-beta1 increases mRNA levels of osteoclastogenesis inhibitory factor in osteoblastic/stromal cells and inhibits the survival of murine osteoclast-like cells.  
Biochem Biophys Res Commun. 1998 Nov 27;252(3):747-52.  
PMID: 9837778 [PubMed - indexed for MEDLINE]
-  **37:** Takai H, Kanematsu M, Yano K, Tsuda E, Higashio K, Ikeda K, Watanabe K, Yamada Y. [Related Articles](#), [Links](#)  
Transforming growth factor-beta stimulates the production of osteoprotegerin/osteoclastogenesis inhibitory factor by bone marrow stromal cells.  
J Biol Chem. 1998 Oct 16;273(42):27091-6.  
PMID: 9765225 [PubMed - indexed for MEDLINE]
-  **38:** Emery JG, McDonnell P, Burke MB, Deen KC, Lyn S, Silverman C, Dul E, Appelbaum ER, Eichman C, DiPrinzio R, Dodds RA, James IE, Rosenberg M, Lee JC, Young PR. [Related Articles](#), [Links](#)  
Osteoprotegerin is a receptor for the cytotoxic ligand TRAIL.  
J Biol Chem. 1998 Jun 5;273(23):14363-7.  
PMID: 9603945 [PubMed - indexed for MEDLINE]
-  **39:** Tsukii K, Shima N, Mochizuki S, Yamaguchi K, Kinosaki M, Yano K, Shibata O, Udagawa N, Yasuda H, Suda T, Higashio K. [Related Articles](#), [Links](#)  
Osteoclast differentiation factor mediates an essential signal for bone resorption induced by 1 alpha,25-dihydroxyvitamin D3, prostaglandin E2, or parathyroid hormone in the microenvironment of bone.  
Biochem Biophys Res Commun. 1998 May 19;246(2):337-41.  
PMID: 9610359 [PubMed - indexed for MEDLINE]
-  **40:** Yasuda H, Shima N, Nakagawa N, Mochizuki SI, Yano K, Fujise N, Sato Y, Goto M, Yamaguchi K, Kuriyama M, Kanno T, Murakami A, Tsuda E, Morinaga T, Higashio K. [Related Articles](#), [Links](#)  
Identity of osteoclastogenesis inhibitory factor (OCIF) and osteoprotegerin (OPG): a mechanism by which OPG/OCIF inhibits osteoclastogenesis in vitro.  
Endocrinology. 1998 Mar;139(3):1329-37.  
PMID: 9492069 [PubMed - indexed for MEDLINE]

 **41:** [Wee SH, Joo HD, Kang YB.](#)

[Related Articles, Links](#)



Evaluation for detection of *Cryptosporidium* oocysts in diarrheal feces of calves.

Korean J Parasitol. 1996 Jun;34(2):121-6.

PMID: 8925244 [PubMed - indexed for MEDLINE]

Display **Summary** Show: **200** Sort **Text** Send to **Text**  
Items 1-41 of 41 One page.

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)

Jul 17 2003 11:42:11